

2 Phase Fully Actually with Backup Preemption Isolated

NOTES

- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- 2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Reposition existing signal heads numbered 21,22,43,61, and 62 and signs A and B.
- 4. Set all detector units to presence mode.
- 5. Program controller to initiate backup preemption upon activation of queue backup loops.
- 6. Relocate existing microwave detector from previous temporary signal.

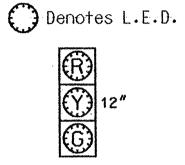
PLAN QUANTITIES		
Pay Item Feet		
Signal Cable	***************************************	
Messenger Cable	***************************************	
Lead-in Cable	1250	

	<u>LEG</u>	<u>END</u>			
PROPOSED			<u>i</u>	XISTI	<u>NG</u>
O->	Traffic Si	ignal Hea	d	- >	•
O ->	Modified S	ignal Hed	ıd	N/A	
	Si	gn			
	Pedestrian	Signal He	pad		
. ♦	With Push Bu		-	_ ¥	
	Signal Pol		-		
	Signal Pole wit		•	<u></u>	• • •• <
	Inductive Lo	•		[_)
$\bar{\square}$	Controller		∌ †	الد [×] ـعا	
	· · · · · · · · · · · · · · · · · · ·	on Box			
N/A	2-in Undergr		duit		AND STREET
N/A	•	of Way			
	Direction				1
	Pavement Ma	. •			
	Microwave De				
		tion Zone			
· 07	Microwave			•	
(A)	No Right Turr	_		A	
B	No Left Turn	Sign ((3-2)	₿	
3 - TCP	Phase II				
SR	1101 (Har	per Ro	ad)		SEAL
	At	, , , , ,	,		minnin,
T - 4	O WB Exit	Ramn	A		HINTH CARO
 "1	TO HID LAL	· ·····································	, ,		S ROFESSION TO
ivision 9	Forsyth Coun	tv	C1a	mmons	SEAL 24707
		THE RESERVE THE PROPERTY OF TH	P. Gal		24393
		EWED BY:			NOWEET
REVIS			INIT.	DATE	- Children III
				I	Lunger Nilling

SIG. INVENTORY NO. 09-0763 T3

TABLE OF OPERATION				
	PHASE			
SIGNAL FACE	Ø2+6	Ø 4	<u>р</u> жн 2	FLACE
21,22	G.	·R	R	Υ
41,42,43	R	G	G	R
61,62	G	R	R	Υ

SIGNAL FACE I.D.



Direct Bury-Relocate Microwave Detector — SR 1101 (Harper Road) (A)()

45 MPH -3% Grade

22+23 +/- -L-51' Lt. +/-

Ø4 (PRE 2)

2070	L TIMI	NG CHA	RT	
	PHASE			
FEATURE	2	4	6	
Min Green 1 *	12	7	12	
Extension 1 *	2.0	2.0	2.0	
Max Green 1 *	45	30	45	
Yellow Clearance	4.7	4.0	4.7	
Red Clearance	2.5	2.0	2.5	
Walk 1 *	***	Same .	~	
Don't Walk 1	4 000	Abba	-	
Seconds Per Actuation *	***			
Max Variable Initial*		***		
Time Before Reduction *	•via	•••	-	
Time To Reduce *		-	***	
Minimum Gap	gan.	•••	**	
Recall Mode	MIN RECALL	••••	MIN RECALL	
Vehicle Call Memory	YELLOW		YELLOW	
	T .			

PHASING DIAGRAM

PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

<---> PEDESTRIAN MOVEMENT

UNSIGNALIZED MOVEMENT

UNDETECTED MOVEMENT (OVERLAP)

02+6

phases should not be lower than 4 seconds.

PREEMPT 2

2070 BACKUP	PREEMPTION		
Interval 1 — Dwell Green	,	255	
Interval 1 — Dwell Yellow		0.0*	
Interval T — Dwell Red		0.0*	
Interval 5 – Exit Green		1	
Interval 5 — Yellow		0.0	
Interval 5 — Red		0.0	
Delay Time		0.0	
Min Green Before Pre		7	
Ped Clear Before Pre		0	
Yellow Clear Before Pre		4.7	
Red Clear Before Pre		2.5	
Dwell Min Time		45	
Enable Backup Protection		N	
Ped Clear Through Yellow		N	

*Clearance time defaults to time used for phase during normal operation.

90 ** Q1 *Microwave Detection Zone ₩ See note 5

INDUCTIVE LOOPS

6X6 6x40

2B

4B

TURNS

45

2070L LOOP & DETECTOR INSTALLATION

DETECTOR PROGRAMMING

1.9

STRETCH DELAY MAX GAP INDEX THE TIME OCCUPANCY RESET FOR

QUEUE

QUEUE PREEMPT

R/W

Temporary Signal